

WEST Search History

DATE: Wednesday, December 27, 2006

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<input type="checkbox"/>	L6	L5 AND L4	46
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<input type="checkbox"/>	L4	L3 AND GENE	125
<input type="checkbox"/>	L3	L2 AND ENTEROTOXIN	127
<input type="checkbox"/>	L2	L1 AND STAPHYLOCOCCUS	1867
<input type="checkbox"/>	L1	435/252.3	13379

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 46 returned.

☐ 1. Document ID: US 20060270044 A1

L6: Entry 1 of 46

File: PGPB

Nov 30, 2006

PGPUB-DOCUMENT-NUMBER: 20060270044

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060270044 A1

TITLE: Compositions and methods for altering cellular functions

PUBLICATION-DATE: November 30, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Suzuki; Hideki	Madison	WI	US
Bates; Donna M.	Madison	WI	US

US-CL-CURRENT: [435/471](#); [435/252.3](#), [435/473](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20060240044 A1

L6: Entry 2 of 46

File: PGPB

Oct 26, 2006

PGPUB-DOCUMENT-NUMBER: 20060240044

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060240044 A1

TITLE: Streptococcal superantigens spe-1 and spe-m

PUBLICATION-DATE: October 26, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fraser; John D.	Meadowbank		NZ
Proft; Thomas K.	Mission Bay		NZ

US-CL-CURRENT: [424/244.1](#); [435/252.3](#), [435/471](#), [435/69.3](#), [530/350](#), [536/23.7](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20060127411 A1

L6: Entry 3 of 46

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060127411

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060127411 A1

TITLE: Immune -modulating peptide made of s.aureus enterotoxin b

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Neuber; Karsten	Hamburg		DE

US-CL-CURRENT: 424/190.1; 435/252.3, 435/471, 435/69.1, 530/350, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 20050106597 A1

L6: Entry 4 of 46

File: PGPB

May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050106597

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050106597 A1

TITLE: Staphylococcus aureus polynucleotides and polypeptides

PUBLICATION-DATE: May 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Choi, Gil H.	Rockville	MD	US

US-CL-CURRENT: 435/6; 435/252.3, 435/471, 435/69.3, 530/350, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20050064526 A1

L6: Entry 5 of 46

File: PGPB

Mar 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050064526

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050064526 A1

TITLE: Bacterial superantigen vaccines

PUBLICATION-DATE: March 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ulrich, Robert G.	Frederick	MD	US
Olson, Mark A.	Gaithersburg	MD	US
Bavari, Sina	Dillsburg	PA	US

US-CL-CURRENT: [435/7.32](#); [424/190.1](#), [435/252.3](#), [435/320.1](#), [435/69.1](#), [530/395](#),
[536/23.7](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawings
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☐ 6. Document ID: US 20050053995 A1

L6: Entry 6 of 46

File: PGPB

Mar 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050053995

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050053995 A1

TITLE: Staphylococcus aureus genes and polypeptides

PUBLICATION-DATE: March 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Simpson, Andrew J.G.	Sao Paulo	MD	BR
Choi, Gil H.	Rockville		US

US-CL-CURRENT: [435/6](#); [424/190.1](#), [435/252.3](#), [435/320.1](#), [435/69.3](#), [530/350](#), [536/23.7](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawings
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☐ 7. Document ID: US 20050026272 A1

L6: Entry 7 of 46

File: PGPB

Feb 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050026272

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050026272 A1

TITLE: Non-toxic immune stimulating enterotoxin compositions

PUBLICATION-DATE: February 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bohach, Gregory I.	Moscow	ID	US

US-CL-CURRENT: [435/252.3](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 8. Document ID: US 20040265962 A1

L6: Entry 8 of 46

File: PGPB

Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040265962

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040265962 A1

TITLE: Staphylococcus aureus genes & polypeptides

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bailey, Camella	Washington	DC	US
Choi, Gil H.	Rockville	MD	US

US-CL-CURRENT: [435/69.1](#); [435/252.3](#), [435/320.1](#), [530/350](#), [536/23.7](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 9. Document ID: US 20040082002 A1

L6: Entry 9 of 46

File: PGPB

Apr 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040082002

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040082002 A1

TITLE: 37 staphylococcus aureus genes and polypeptides

PUBLICATION-DATE: April 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Choi, Gil H.	Rockville	MD	US

US-CL-CURRENT: [435/6](#); [435/252.3](#), [435/320.1](#), [435/69.1](#), [530/350](#), [536/23.7](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 10. Document ID: US 20040043037 A1

L6: Entry 10 of 46

File: PGPB

Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040043037

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040043037 A1

TITLE: Staphylococcus aureus polynucleotides and sequences

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kunsch, Charles A.	Norcross	GA	US
Choi, Gil H.	Rockville	MD	US
Barash, Steven	Rockville	MD	US
Dillon, Patrick J.	Carlsbad	CA	US
Fannon, Michael R.	Silver Spring	MD	US
Rosen, Craig A.	Laytonsville	MD	US

US-CL-CURRENT: 424/190.1; 435/252.3, 435/320.1, 435/69.3, 530/350, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054436

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030054436 A1

TITLE: STAPHYLOCOCCUS AUREUS POLYNUCLEOTIDES AND SEQUENCES

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
KUNSCH, CHARLES A.	GAITHERSBURG	MD	US
CHOI, GIL A.	ROCKVILLE	MD	US
BARASH, STEVEN C.	ROCKVILLE	MD	US
DILLON, PATRICK J.	GAITHERSBURG	MD	US
FANNON, MICHAEL R.	SILVER SPRING	MD	US
ROSEN, CRAIG A.	LAYTONSVILLE	MD	US

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 536/23.1, 536/23.7

CLAIMS:

What is claimed is:

1. Computer readable medium having recorded thereon the nucleotide sequence depicted in SEQ ID NOS:1-5,191, a representative fragment thereof or a nucleotide sequence at least 95% identical to a nucleotide sequence depicted in SEQ ID NOS:1-5,191.
2. Computer readable medium having recorded thereon any one of the fragments of SEQ ID NOS:1-5,191 depicted in Tables 2 and 3 or a degenerate variant thereof.
3. The computer readable medium of claim 1, wherein said medium is selected from the group consisting of a floppy disc, a hard disc, random access memory (RAM), read only memory (ROM), and CD-ROM.
4. The computer readable medium of claim 3, wherein said medium is selected from the group consisting of a floppy disc, a hard disc, random access memory (RAM), read only memory (ROM), and CD-ROM.
5. A computer-based system for identifying fragments of the Staphylococcus aureus genome of commercial importance comprising the following elements: (a) a data storage means comprising the nucleotide sequence of SEQ ID NOS:1-5,191, a representative fragment thereof, or a nucleotide sequence at least 95% identical to a nucleotide sequence of SEQ ID NOS:1-5,191; (b) search means for comparing a target sequence to the nucleotide sequence of the data storage means of step (a) to identify homologous sequence(s), and (c) retrieval means for obtaining said homologous sequence(s) of step (b).

6. A method for identifying commercially important nucleic acid fragments of the Staphylococcus aureus genome comprising the step of comparing a database comprising the nucleotide sequences depicted in SEQ ID NOS:1-5,191, a representative fragment thereof, or a nucleotide sequence at least 95% identical to a nucleotide sequence of SEQ ID NOS:1-5,191 with a target sequence to obtain a nucleic acid molecule comprised of a complementary nucleotide sequence to said target sequence, wherein said target sequence is not randomly selected.

7. A method for identifying an expression modulating fragment of Staphylococcus aureus genome comprising the step of comparing a database comprising the nucleotide sequences depicted in SEQ ID NOS:1-5,191, a representative fragment thereof, or a nucleotide sequence at least 95% identical to the nucleotide sequence of SEQ ID NOS:1-5,191 with a target sequence to obtain a nucleic acid molecule comprised of a complementary nucleotide sequence to said target sequence, wherein said target sequence comprises sequences known to regulate gene expression.

8. An isolated protein-encoding nucleic acid fragment of the Staphylococcus aureus genome, wherein said fragment consists of the nucleotide sequence of any one of the fragments of SEQ ID NOS:1-5,191 depicted in Tables 2 and 3, or a degenerate variant thereof.

9. A vector comprising any one of the fragments of the Staphylococcus aureus genome SEQ ID NOS:1-5,191 depicted in Tables 2 and 3 or a degenerate variant thereof.

10. An isolated fragment of the Staphylococcus aureus genome, wherein said fragment modulates the expression of an operably linked open reading frame, wherein said fragment consists of the nucleotide sequence from about 10 to 200 bases in length which is 5' to any one of the open reading frames depicted in Tables 2 and 3 or a degenerate variant thereof.

11. A vector comprising any one of the fragments of the Staphylococcus aureus genome of claim 8.

12. An organism which has been altered to contain any one of the fragments of the Staphylococcus aureus genome of claim 8.

13. An organism which has been altered to contain any one of the fragments of the Staphylococcus aureus genome of claim 10.

14. A method for regulating the expression of a nucleic acid molecule comprising the step of covalently attaching to said nucleic acid molecule a nucleic acid molecule consisting of the nucleotide sequence from about 10 to 100 bases 5' to any one of the fragments of the Staphylococcus aureus genome depicted in SEQ ID NOS:1-5,191 and Tables 2 and 3 or a degenerate variant thereof.

15. An isolated nucleic acid molecule encoding a homolog of any of the fragments of the Staphylococcus aureus genome of SEQ ID NOS:1-5,191 and Tables 2 and 3, wherein said nucleic acid molecule is produced by a process comprising steps of: (a) screening a genomic DNA library using as a probe a target sequence defined by any of SEQ ID NOS:1-5,191 and Tables 2 and 3, including fragments thereof; (b) identifying members of said library which contain sequences that hybridize to said target sequence; (c) isolating the nucleic acid molecules from said members identified in step (b).

16. An isolated DNA molecule encoding a homolog of any one of the fragments of the Staphylococcus aureus genome of SEQ ID NOS:1-5,191 and Tables 2 and 3, wherein said nucleic acid molecule is produced by a process comprising steps of: (a) isolating

mRNA, DNA, or cDNA produced from an organism; (b) amplifying nucleic acid molecules whose nucleotide sequence is homologous to amplification primers derived from said fragment of said Staphylococcus aureus genome to prime said amplification; (c) isolating said amplified sequences produced in step (b).

17. An isolated polypeptide encoded by any of the fragments of the Staphylococcus aureus genome of SEQ ID NOS:1-5,191 and depicted in Table 2 and 3 or by a degenerate variant of said fragments.

18. An isolated polynucleotide molecule encoding any one of the polypeptides of claim 17.

19. An antibody which selectively binds to any one of the polypeptides of of claim 17.

20. A kit for analyzing samples for the presence of polynucleotides derived from Staphylococcus aureus, comprising at least one polynucleotide containing a nucleotide sequence of any one of the fragments of SEQ ID NOS:1-5,191 depicted in Tables 2 and 3 or a nucleotide sequence 95% identical thereto that will hybridize to a Staphylococcus aureus polynucleotide under stringent hybridization conditions, and a suitable container.

21. An isolated polypeptide comprising an amino acid sequence having at least 95% identity to a Staphylococcus aureus polypeptide amino acid sequence selected from the group consisting of SEQ ID NOS:5,192 to 5,255.

22. The isolated polypeptide of claim 21 wherein the isolated polypeptide comprises an amino acid sequence identical to that of a Staphylococcus aureus polypeptide selected from the group consisting of SEQ ID NOS:5,192 to 5,255.

23. An isolated Staphylococcus aureus polypeptide antigen comprising at least one epitope derived from a Staphylococcus aureus polypeptide selected from the group consisting of SEQ ID NOS:5,192 to 5,255.

24. An isolated polypeptide comprising at least one epitope encoded by a Staphylococcus aureus amino acid sequence selected from the group consisting of the epitopic sequences listed in Table 4.

25. A polypeptide of claim 23 wherein said polypeptide is fixed to a solid phase.

26. A diagnostic kit for detecting Staphylococcus aureus infection comprising (a) an isolated polypeptide antigen of claim 23, and (b) means for detecting the binding of an antibody contained in a biological fluid to said antigen.

27. A vaccine composition comprising a polypeptide of claim 23 present in a pharmaceutically acceptable carrier.

28. A method of vaccinating an individual against Staphylococcus aureus infection comprising, administering to an individual the vaccine composition of claim 27.

29. A method for producing a polypeptide in a host cell comprising the steps of: (a) incubating a host containing a heterologous nucleic acid molecule whose nucleotide sequence consists of any one of the fragments of the Staphylococcus aureus genome of SEQ ID NOS:1-5,191 and depicted in Tables 2 and 3, under conditions where said heterologous nucleic acid molecule is expressed to produce said protein, and (b) isolating said protein.

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☐ 11. Document ID: US 20030215468 A1

L6: Entry 11 of 46

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030215468

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030215468 A1

TITLE: Soluble recombinant botulinum toxin proteins

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Williams, James A.	Madison	WI	US
Thalley, Bruce S.	Madison	WI	US

US-CL-CURRENT: [424/239.1](#); [435/252.3](#), [435/70.21](#), [530/388.4](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D
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☐ 12. Document ID: US 20030152589 A1

L6: Entry 12 of 46

File: PGPB

Aug 14, 2003

PGPUB-DOCUMENT-NUMBER: 20030152589

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030152589 A1

TITLE: Incapacitated whole-cell immunogenic bacterial compositions

PUBLICATION-DATE: August 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ramachandran, Janakiraman	Palo Alto	CA	US
Padmanabhan, Sriram	Sanjaynagar		IN
Sriram, Bharathi	Sanjaynagar		IN

US-CL-CURRENT: [424/200.1](#); [435/235.1](#), [435/252.3](#), [435/472](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D
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☐ 13. Document ID: US 20030124123 A1

L6: Entry 13 of 46

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124123

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124123 A1

TITLE: Anti-IL-12 antibodies, compositions, methods and uses

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Giles-Komar, Jill	Downingtown	PA	US
Knight, David M.	Berwyn	PA	US
Peritt, David	Bala Cynwyd	PA	US
Scallan, Bernard	Collegeville	PA	US
Shealy, David	Downingtown	PA	US

US-CL-CURRENT: 424/145.1; 435/252.3, 435/320.1, 435/335, 435/69.1, 530/388.24, 536/23.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 14. Document ID: US 20030092164 A1

L6: Entry 14 of 46

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030092164

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030092164 A1

TITLE: Human tumor necrosis factor receptor

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gross, Jane A.	Seattle	WA	US
Xu, Wenfeng	Mukilteo	WA	US
Henne, Randal M.	Seattle	WA	US
Grant, Francis J.	Seattle	WA	US

US-CL-CURRENT: 435/252.3; 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 15. Document ID: US 20030054436 A1

L6: Entry 15 of 46

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054436
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030054436 A1

TITLE: STAPHYLOCOCCUS AUREUS POLYNUCLEOTIDES AND SEQUENCES

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
KUNSCH, CHARLES A.	GAITHERSBURG	MD	US
CHOI, GIL A.	ROCKVILLE	MD	US
BARASH, STEVEN C.	ROCKVILLE	MD	US
DILLON, PATRICK J.	GAITHERSBURG	MD	US
FANNON, MICHAEL R.	SILVER SPRING	MD	US
ROSEN, CRAIG A.	LAYTONSVILLE	MD	US

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 536/23.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 16. Document ID: US 20030049648 A1

L6: Entry 16 of 46

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030049648
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030049648 A1

TITLE: 37 staphylococcus aureus genes and polypeptides

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Choi, Gil H.	Rockville	MD	US

US-CL-CURRENT: 435/6; 435/220, 435/252.3, 435/320.1, 435/69.1, 435/7.32, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 17. Document ID: US 20020103338 A1

L6: Entry 17 of 46

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020103338

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020103338 A1

TITLE: Staphylococcus aureus polynucleotides and polypeptides

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Choi, Gil H.	Rockville	MD	US

US-CL-CURRENT: 530/350; 435/252.3, 435/320.1, 435/325, 435/69.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 18. Document ID: US 7087235 B2

L6: Entry 18 of 46

File: USPT

Aug 8, 2006

US-PAT-NO: 7087235
DOCUMENT-IDENTIFIER: US 7087235 B2

TITLE: Fusion protein of streptococcal pyrogenic exotoxins

DATE-ISSUED: August 8, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20030036644 A1	February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ulrich; Robert G.	Frederick	MD		US

US-CL-CURRENT: 424/236.1; 424/184.1, 424/185.1, 424/190.1, 424/192.1, 424/234.1,
424/237.1, 424/244.1, 530/350, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 19. Document ID: US 7067643 B2

L6: Entry 19 of 46

File: USPT

Jun 27, 2006

US-PAT-NO: 7067643
DOCUMENT-IDENTIFIER: US 7067643 B2

TITLE: Systems for the detection of target sequences

DATE-ISSUED: June 27, 2006

PRIOR-PUBLICATION:

DOC-ID

US 20030108873 A1

DATE

June 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dahlberg; James E.	Madison	WI		US
Brow; Mary Ann D.	Madison	WI		US
Lyamichev; Victor I.	Madison	WI		US

US-CL-CURRENT: 536/23.1; 435/5, 435/6, 536/23.4, 536/24.1, 536/24.2, 536/24.31,
536/24.33, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 20. Document ID: US 7063964 B2

L6: Entry 20 of 46

File: USPT

Jun 20, 2006

US-PAT-NO: 7063964

DOCUMENT-IDENTIFIER: US 7063964 B2

TITLE: Nucleic acids encoding IL-12 antibody

DATE-ISSUED: June 20, 2006

PRIOR-PUBLICATION:

DOC-ID

US 20050196838 A1

DATE

September 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Giles-Komar; Jill	Downingtown	PA	19355	US
Knight; David M.	Berwyn	PA	19312	US
Peritt; David	Bala Cynwyd	PA	19004	US
Scallan; Bernard	Collegeville	PA	19426	US
Shealy; David	Downingtown	PA	19335	US

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/365, 435/367, 435/372.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 21. Document ID: US 6913753 B2

L6: Entry 21 of 46

File: USPT

Jul 5, 2005

US-PAT-NO: 6913753

DOCUMENT-IDENTIFIER: US 6913753 B2

TITLE: Incapacitated whole-cell immunogenic bacterial compositions

DATE-ISSUED: July 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ramachandran; Janakiraman	Palo Alto	CA		
Padmanabhan; Sriram	Sanjaynagar			IN
Sriram; Bharathi	Sanjaynagar			IN

US-CL-CURRENT: [424/234.1](#); [424/243.1](#), [424/249.1](#), [424/256.1](#), [424/257.1](#), [424/259.1](#), [424/93.1](#), [424/93.2](#), [424/93.4](#), [424/93.6](#) , [435/252.3](#), [435/320.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 22. Document ID: US 6833253 B2

L6: Entry 22 of 46

File: USPT

Dec 21, 2004

US-PAT-NO: 6833253

DOCUMENT-IDENTIFIER: US 6833253 B2

TITLE: Staphylococcus aureus polynucleotides and polypeptides

DATE-ISSUED: December 21, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Choi; Gil H.	Rockville	MD		

US-CL-CURRENT: [435/69.1](#); [435/252.3](#), [435/320.1](#), [435/6](#), [536/23.1](#), [536/23.4](#), [536/23.7](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 23. Document ID: US 6821754 B2

L6: Entry 23 of 46

File: USPT

Nov 23, 2004

US-PAT-NO: 6821754

DOCUMENT-IDENTIFIER: US 6821754 B2

TITLE: Staphylococcus aureus genes and polypeptides

DATE-ISSUED: November 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Simpson; Andrew J. G.	Sao Paulo			BR
Choi; Gil H.	Rockville	MD		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 24. Document ID: US 6803358 B1

L6: Entry 24 of 46

File: USPT

Oct 12, 2004

US-PAT-NO: 6803358

DOCUMENT-IDENTIFIER: US 6803358 B1

TITLE: Ricin-like toxin variants for treatment of cancer, viral or parasitic infections

DATE-ISSUED: October 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Borgford; Thor	Burnaby			CA

US-CL-CURRENT: 514/8; 435/195, 435/252.3, 435/320.1, 435/440, 435/69.1, 435/69.7, 514/2, 530/350, 530/370

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 25. Document ID: US 6764823 B2

L6: Entry 25 of 46

File: USPT

Jul 20, 2004

US-PAT-NO: 6764823

DOCUMENT-IDENTIFIER: US 6764823 B2

TITLE: Antimicrobial methods and materials

DATE-ISSUED: July 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomichi; Che-Shen C.	Kalamazoo	MI		
Quinn; Cheryl	Kalamazoo	MI		
Arvidson; Staffan	.ANG.kersberga			SE

US-CL-CURRENT: 435/6; 424/200.1, 435/252.3, 435/320.1, 435/69.1, 435/7.1, 435/7.72,
435/7.9, 530/300, 530/350, 536/23.2, 536/23.4, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw D
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☐ 26. Document ID: US 6737248 B2

L6: Entry 26 of 46

File: USPT

May 18, 2004

US-PAT-NO: 6737248

DOCUMENT-IDENTIFIER: US 6737248 B2

TITLE: Staphylococcus aureus polynucleotides and sequences

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kunsch; Charles A.	Gaithersburg	MD		
Choi; Gil A.	Rockville	MD		
Barash; Steven C.	Rockville	MD		
Dillon; Patrick J.	Gaithersburg	MD		
Fannon; Michael R.	Silver Spring	MD		
Rosen; Craig A.	Laytonsville	MD		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 536/23.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWIC	Draw D
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☐ 27. Document ID: US 6713284 B2

L6: Entry 27 of 46

File: USPT

Mar 30, 2004

US-PAT-NO: 6713284

DOCUMENT-IDENTIFIER: US 6713284 B2

TITLE: Bacterial superantigen vaccines

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ulrich; Robert G.	Frederick	MD		

Olson; Mark A. Gaithersburg MD
Bavari; Sina Dillsburg PA

US-CL-CURRENT: 435/69.3; 435/252.3, 435/252.33, 435/320.1, 435/325, 435/69.1,
435/71.1, 435/71.3, 536/23.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 28. Document ID: US 6632640 B1

L6: Entry 28 of 46

File: USPT

Oct 14, 2003

US-PAT-NO: 6632640

DOCUMENT-IDENTIFIER: US 6632640 B1

TITLE: Vaccine against Staphylococcus intoxication

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; John S.	Hagerstown	MD		
Pushko; Peter	Frederick	MD		
Smith; Jonathan F.	Sabillasville	MD		
Ulrich; Robert G.	Frederick	MD		

US-CL-CURRENT: 435/69.3; 435/252.3, 435/252.33, 435/320.1, 435/325, 435/69.1,
435/71.1, 435/71.3, 536/23.1, 536/23.5, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 29. Document ID: US 6620585 B1

L6: Entry 29 of 46

File: USPT

Sep 16, 2003

US-PAT-NO: 6620585

DOCUMENT-IDENTIFIER: US 6620585 B1

TITLE: Use of ectoenzymes and secreted enzymes to monitor cellular proliferation

DATE-ISSUED: September 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zyskind; Judith W.	La Jolla	CA		

US-CL-CURRENT: 435/6; 435/252.3, 435/252.34, 435/375, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 30. Document ID: US 6613329 B1

L6: Entry 30 of 46

File: USPT

Sep 2, 2003

US-PAT-NO: 6613329

DOCUMENT-IDENTIFIER: US 6613329 B1

TITLE: Vaccine and antitoxin for treatment and prevention of C. difficile disease

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kink; John A.	Madison	WI		
Williams; James A.	Lincoln	NE		

US-CL-CURRENT: 424/164.1; 424/184.1, 530/387.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 21. Document ID: US 6913753 B2

L6: Entry 21 of 46

File: USPT

Jul 5, 2005

US-PAT-NO: 6913753

DOCUMENT-IDENTIFIER: US 6913753 B2

TITLE: Incapacitated whole-cell immunogenic bacterial compositions

DATE-ISSUED: July 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ramachandran; Janakiraman	Palo Alto	CA		
Padmanabhan; Sriram	Sanjaynagar			IN
Sriram; Bharathi	Sanjaynagar			IN

US-CL-CURRENT: 424/234.1; 424/243.1, 424/249.1, 424/256.1, 424/257.1, 424/259.1,
424/93.1, 424/93.2, 424/93.4, 424/93.6 , 435/252.3, 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC	Draw. D.
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☐ 22. Document ID: US 6833253 B2

L6: Entry 22 of 46

File: USPT

Dec 21, 2004

US-PAT-NO: 6833253

DOCUMENT-IDENTIFIER: US 6833253 B2

TITLE: Staphylococcus aureus polynucleotides and polypeptides

DATE-ISSUED: December 21, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Choi; Gil H.	Rockville	MD		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/6, 536/23.1, 536/23.4, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC	Draw. D.
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☐ 23. Document ID: US 6821754 B2

L6: Entry 23 of 46

File: USPT

Nov 23, 2004

US-PAT-NO: 6821754

DOCUMENT-IDENTIFIER: US 6821754 B2

TITLE: Staphylococcus aureus genes and polypeptides

DATE-ISSUED: November 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Simpson; Andrew J. G.	Sao Paulo			BR
Choi; Gil H.	Rockville	MD		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D.
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☐ 24. Document ID: US 6803358 B1

L6: Entry 24 of 46

File: USPT

Oct 12, 2004

US-PAT-NO: 6803358

DOCUMENT-IDENTIFIER: US 6803358 B1

TITLE: Ricin-like toxin variants for treatment of cancer, viral or parasitic infections

DATE-ISSUED: October 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Borgford; Thor	Burnaby			CA

US-CL-CURRENT: 514/8; 435/195, 435/252.3, 435/320.1, 435/440, 435/69.1, 435/69.7, 514/2, 530/350, 530/370

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D.
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☐ 25. Document ID: US 6764823 B2

L6: Entry 25 of 46

File: USPT

Jul 20, 2004

US-PAT-NO: 6764823

DOCUMENT-IDENTIFIER: US 6764823 B2

TITLE: Antimicrobial methods and materials

DATE-ISSUED: July 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomichi; Che-Shen C.	Kalamazoo	MI		
Quinn; Cheryl	Kalamazoo	MI		
Arvidson; Staffan	.ANG.kersberga			SE

US-CL-CURRENT: 435/6; 424/200.1, 435/252.3, 435/320.1, 435/69.1, 435/7.1, 435/7.72,
435/7.9, 530/300, 530/350, 536/23.2, 536/23.4, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KMC	Draw D
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☐ 26. Document ID: US 6737248 B2

L6: Entry 26 of 46

File: USPT

May 18, 2004

US-PAT-NO: 6737248

DOCUMENT-IDENTIFIER: US 6737248 B2

TITLE: Staphylococcus aureus polynucleotides and sequences

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kunsch; Charles A.	Gaithersburg	MD		
Choi; Gil A.	Rockville	MD		
Barash; Steven C.	Rockville	MD		
Dillon; Patrick J.	Gaithersburg	MD		
Fannon; Michael R.	Silver Spring	MD		
Rosen; Craig A.	Laytonsville	MD		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 536/23.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KMC	Draw D
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☐ 27. Document ID: US 6713284 B2

L6: Entry 27 of 46

File: USPT

Mar 30, 2004

US-PAT-NO: 6713284

DOCUMENT-IDENTIFIER: US 6713284 B2

TITLE: Bacterial superantigen vaccines

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ulrich; Robert G.	Frederick	MD		

Olson; Mark A. Gaithersburg MD
Bavari; Sina Dillsburg PA

US-CL-CURRENT: 435/69.3; 435/252.3, 435/252.33, 435/320.1, 435/325, 435/69.1,
435/71.1, 435/71.3, 536/23.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 28. Document ID: US 6632640 B1

L6: Entry 28 of 46

File: USPT

Oct 14, 2003

US-PAT-NO: 6632640

DOCUMENT-IDENTIFIER: US 6632640 B1

TITLE: Vaccine against Staphylococcus intoxication

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; John S.	Hagerstown	MD		
Pushko; Peter	Frederick	MD		
Smith; Jonathan F.	Sabillasville	MD		
Ulrich; Robert G.	Frederick	MD		

US-CL-CURRENT: 435/69.3; 435/252.3, 435/252.33, 435/320.1, 435/325, 435/69.1,
435/71.1, 435/71.3, 536/23.1, 536/23.5, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 29. Document ID: US 6620585 B1

L6: Entry 29 of 46

File: USPT

Sep 16, 2003

US-PAT-NO: 6620585

DOCUMENT-IDENTIFIER: US 6620585 B1

TITLE: Use of ectoenzymes and secreted enzymes to monitor cellular proliferation

DATE-ISSUED: September 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zyskind; Judith W.	La Jolla	CA		

US-CL-CURRENT: 435/6; 435/252.3, 435/252.34, 435/375, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 30. Document ID: US 6613329 B1

L6: Entry 30 of 46

File: USPT

Sep 2, 2003

US-PAT-NO: 6613329

DOCUMENT-IDENTIFIER: US 6613329 B1

TITLE: Vaccine and antitoxin for treatment and prevention of C. difficile disease

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kink; John A.	Madison	WI		
Williams; James A.	Lincoln	NE		

US-CL-CURRENT: 424/164.1; 424/184.1, 530/387.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 31. Document ID: US 6593114 B1

L6: Entry 31 of 46

File: USPT

Jul 15, 2003

US-PAT-NO: 6593114

DOCUMENT-IDENTIFIER: US 6593114 B1

TITLE: Staphylococcus aureus polynucleotides and sequences

DATE-ISSUED: July 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kunsch; Charles A.	Norcross	GA		
Choi; Gil H.	Rockville	MD		
Barash; Steven	Rockville	MD		
Dillon; Patrick J.	Carlsbad	CA		
Fannon; Michael R.	Silver Spring	MD		
Rosen; Craig A.	Laytonsville	MD		

US-CL-CURRENT: 435/91.41; 435/252.3, 435/254.11, 435/257.2, 435/320.1, 435/325,
435/91.4, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw. D
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☐ 32. Document ID: US 6576757 B1

L6: Entry 32 of 46

File: USPT

Jun 10, 2003

US-PAT-NO: 6576757

DOCUMENT-IDENTIFIER: US 6576757 B1

**** See image for Certificate of Correction ****

TITLE: Polynucleotides encoding flavivirus and alphavirus multivalent antigenic polypeptides

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Punnonen; Juha	Palo Alto	CA		
Bass; Steven H.	Hillsborough	CA		

Whalen; Robert Gerald	Paris	FR
Howard; Russell	Los Altos Hills	CA
Stemmer; Willem P. C.	Los Gatos	CA

US-CL-CURRENT: 536/23.72; 424/184.1, 424/204.1, 424/218.1, 424/228.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. D.
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☐ 33. Document ID: US 6569435 B1

L6: Entry 33 of 46

File: USPT

May 27, 2003

US-PAT-NO: 6569435

DOCUMENT-IDENTIFIER: US 6569435 B1

TITLE: Flavivirus and alphavirus recombinant antigen libraries

DATE-ISSUED: May 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Punnonen; Juha	Palo Alto	CA		
Bass; Steven H.	Hillsborough	CA		
Whalen; Robert Gerald	Paris			FR
Howard; Russell	Los Altos Hills	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 424/202.1; 424/204.1, 424/234.1, 424/236.1, 424/274.1, 435/320.1, 435/6, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. D.
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☐ 34. Document ID: US 6541011 B2

L6: Entry 34 of 46

File: USPT

Apr 1, 2003

US-PAT-NO: 6541011

DOCUMENT-IDENTIFIER: US 6541011 B2

TITLE: Antigen library immunization

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Punnonen; Juha	Palo Alto	CA		
Bass; Steven H.	Hillsborough	CA		
Whalen; Robert Gerald	Paris			FR
Howard; Russell	Los Altos Hills	CA		

Stemmer; Willem P. C. Los Gatos CA

US-CL-CURRENT: 424/204.1; 424/218.1, 530/300, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 35. Document ID: US 6521441 B1

L6: Entry 35 of 46

File: USPT

Feb 18, 2003

US-PAT-NO: 6521441

DOCUMENT-IDENTIFIER: US 6521441 B1

TITLE: Staphylococcus aureus genes and polypeptides

DATE-ISSUED: February 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Simpson; Andrew J. G.	Sao Paulo			BR
Choi; Gil H.	Rockville	MD		

US-CL-CURRENT: 435/252.3; 435/320.1, 435/325, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 36. Document ID: US 6479055 B1

L6: Entry 36 of 46

File: USPT

Nov 12, 2002

US-PAT-NO: 6479055

DOCUMENT-IDENTIFIER: US 6479055 B1

**** See image for Certificate of Correction ****

TITLE: Methods for inhibition of membrane fusion-associated events, including respiratory syncytial virus transmission

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bolognesi; Dani Paul	Durham	NC		
Matthews; Thomas James	Durham	NC		
Wild; Carl T.	Durham	NC		
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		
Langlois; Alphonse J.	Durham	NC		

US-CL-CURRENT: 424/211.1; 424/186.1, 530/324

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 37. Document ID: US 6403337 B1

L6: Entry 37 of 46

File: USPT

Jun 11, 2002

US-PAT-NO: 6403337

DOCUMENT-IDENTIFIER: US 6403337 B1

**** See image for Certificate of Correction ****TITLE: Staphylococcus aureus genes and polypeptides

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bailey; Camella	Washington	DC		
Choi; Gil H.	Rockville	MD		

US-CL-CURRENT: 435/69.7; 435/252.3, 435/320.1, 435/468, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 38. Document ID: US 6399332 B1

L6: Entry 38 of 46

File: USPT

Jun 4, 2002

US-PAT-NO: 6399332

DOCUMENT-IDENTIFIER: US 6399332 B1

TITLE: Bacterial superantigen vaccines

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ulrich; Robert G.	Frederick	MD		
Olson; Mark A.	Gaithersburg	MD		
Bavari; Sina	Dillsburg	PA		

US-CL-CURRENT: 435/69.3; 435/252.3, 435/252.33, 435/320.1, 435/325, 435/69.1,
435/71.1, 435/71.3, 536/23.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 39. Document ID: US 6372424 B1

L6: Entry 39 of 46

File: USPT

Apr 16, 2002

US-PAT-NO: 6372424

DOCUMENT-IDENTIFIER: US 6372424 B1

TITLE: Rapid detection and identification of pathogens

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brow; Mary Ann D.	Madison	WI		
Lyamichev; Victor I.	Madison	WI		
Olive; David Michael	Madison	WI		

US-CL-CURRENT: 435/5; 435/6, 435/69.1, 435/91.2, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 40. Document ID: US 6228983 B1

L6: Entry 40 of 46

File: USPT

May 8, 2001

US-PAT-NO: 6228983

DOCUMENT-IDENTIFIER: US 6228983 B1

**** See image for Certificate of Correction ****

TITLE: Human respiratory syncytial virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 530/300; 424/186.1, 424/211.1, 530/324, 530/325, 530/326

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 41. Document ID: US 6093794 A

L6: Entry 41 of 46

File: USPT

Jul 25, 2000

US-PAT-NO: 6093794

DOCUMENT-IDENTIFIER: US 6093794 A

TITLE: Isolated peptides derived from the Epstein-Barr virus containing fusion inhibitory domains

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 530/300; 424/186.1, 424/230.1, 530/324, 530/325, 530/326, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw D
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☐ 42. Document ID: US 6060065 A

L6: Entry 42 of 46

File: USPT

May 9, 2000

US-PAT-NO: 6060065

DOCUMENT-IDENTIFIER: US 6060065 A

TITLE: Compositions for inhibition of membrane fusion-associated events, including influenza virus transmission

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 424/209.1; 424/186.1, 424/192.1, 424/206.1, 530/300, 530/324, 530/325, 530/326, 530/327, 530/328, 530/329, 530/330

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw D
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☐ 43. Document ID: US 5919665 A

L6: Entry 43 of 46

File: USPT

Jul 6, 1999

US-PAT-NO: 5919665

DOCUMENT-IDENTIFIER: US 5919665 A

TITLE: Vaccine for clostridium botulinum neurotoxin

DATE-ISSUED: July 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Williams; James A.	Madison	WI		

US-CL-CURRENT: 435/71.1; 435/252.3, 435/320.1, 530/350, 530/825, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw D
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☐ 44. Document ID: US 5811517 A

L6: Entry 44 of 46

File: USPT

Sep 22, 1998

US-PAT-NO: 5811517

DOCUMENT-IDENTIFIER: US 5811517 A

** See image for Certificate of Correction **

TITLE: ICAM-related protein variants

DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gallatin; W. Michael	Seattle	WA		
Vazeux; Rosemay	Seattle	WA		

US-CL-CURRENT: 530/350; 435/252.3, 435/320.1, 435/325, 435/69.1, 435/69.7, 536/23.1, 536/23.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw D
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☐ 45. Document ID: US 5736139 A

L6: Entry 45 of 46

File: USPT

Apr 7, 1998

US-PAT-NO: 5736139

DOCUMENT-IDENTIFIER: US 5736139 A

TITLE: Treatment of Clostridium difficile induced disease

DATE-ISSUED: April 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kink; John A.	Madison	WI		
Thalley; Bruce S.	Madison	WI		
Stafford; Douglas C.	Madison	WI		
Firca; Joseph R.	Vernon Hills	IL		
Padhye; Nisha V.	Madison	WI		

US-CL-CURRENT: 424/164.1; 424/167.1, 530/389.1, 530/389.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Annotations	Claims	KMIC	Draw D
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☐ 46. Document ID: US 5004689 A

L6: Entry 46 of 46

File: USPT

Apr 2, 1991

US-PAT-NO: 5004689

DOCUMENT-IDENTIFIER: US 5004689 A

TITLE: DNA sequences, recombinant DNA molecules and processes for producing human gamma interferon-like polypeptides in high yields

DATE-ISSUED: April 2, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fiers; Walter C.	Destelbergen			BE
Allet; Bernard	Onex			CH

US-CL-CURRENT: 435/69.51; 435/252.3, 435/252.33, 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Annotations	Claims	KMIC	Draw D
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File: USPT

Jun 11, 1996

US-PAT-NO: 5525718DOCUMENT-IDENTIFIER: US 5525718 A

TITLE: Oligonucleotides for detecting bacteria and detection method using same

DATE-ISSUED: June 11, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ohashi; Tetsuo	Kyoto			JP
Tada; Jun	Muko			JP
Fukushima; Shigeru	Otsu			JP
Ozaki; Hiroko	Kyoto			JP
Nishimura; Naoyuki	Kyoto			JP
Shirasaki; Yoshinari	Kyoto			JP
Yamagata; Koichi	Osaka			JP

US-CL-CURRENT: 536/24.32; 435/6, 435/848, 435/91.2, 536/23.1, 536/23.7, 536/24.33

CLAIMS:

We claim:

1. An oligonucleotide having a nucleotide sequence selected from the group consisting of SEQ ID NO: 22, the complement of SEQ ID NO: 22, SEQ ID NO: 23, the complement of SEQ ID NO: 23, SEQ ID NO: 24, the complement of SEQ ID NO: 24, SEQ ID NO: 25, the complement of SEQ ID NO: 25, SEQ ID NO: 26, the complement of SEQ ID NO: 26, SEQ ID NO: 27, and the complement of SEQ ID NO: 27.

2. An oligonucleotide having a nucleotide sequence selected from the group consisting of SEQ ID NO: 28, the complement of SEQ ID NO: 28, SEQ ID NO: 29, the complement of SEQ ID NO: 29, SEQ ID NO: 30, the complement of SEQ ID NO: 30, SEQ ID NO: 31, the complement of SEQ ID NO: 31, SEQ ID NO: 32, the complement of SEQ ID NO: 32, SEQ ID NO: 33, and the complement of SEQ ID NO: 33.

3. An oligonucleotide having a nucleotide sequence selected from the group consisting of SEQ ID NO: 34, the complement of SEQ ID NO: 34, SEQ ID NO: 35, the complement of SEQ ID NO: 35, SEQ ID NO: 36, the complement of SEQ ID NO: 36, SEQ ID NO: 37, the complement of SEQ ID NO: 37, SEQ ID NO: 38, the complement of SEQ ID NO: 38, SEQ ID NO: 39, and the complement of SEQ ID NO: 39.

4. An oligonucleotide having a nucleotide sequence selected from the group

consisting of SEQ ID NO: 40, the complement of SEQ ID NO: 40, SEQ ID NO: 41, the complement of SEQ ID NO: 41, SEQ ID NO: 42, the complement of SEQ ID NO: 42, SEQ ID NO: 43, the complement of SEQ ID NO: 43, SEQ ID NO: 44, the complement of SEQ ID NO: 44, SEQ ID NO: 45, the complement of SEQ ID NO: 45, SEQ ID NO: 46, the complement of SEQ ID NO: 46, SEQ ID NO: 47, and the complement of SEQ ID NO: 47.

5. An oligonucleotide having a nucleotide sequence selected from the group consisting of SEQ ID NO: 48, the complement of SEQ ID NO: 48, SEQ ID NO: 49, the complement of SEQ ID NO: 49, SEQ ID NO: 50, the complement of SEQ ID NO: 50, SEQ ID NO: 51, the complement of SEQ ID NO: 51, SEQ ID NO: 52, the complement of SEQ ID NO: 52, SEQ ID NO: 53, and the complement of SEQ ID NO: 53.

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File: USPT

Aug 5, 1997

US-PAT-NO: 5654141DOCUMENT-IDENTIFIER: US 5654141 A**** See image for Certificate of Correction ****

TITLE: Amplification based detection of bacterial infection

DATE-ISSUED: August 5, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mariani; Brian D.	Philadelphia	PA		
Tuan; Rocky S.	Chester Springs	PA		

US-CL-CURRENT: 435/6; 435/91.2

CLAIMS:

What is claimed is:

1. A method of detecting a bacterial infection in a patient comprising:

obtaining a patient sample;

obtaining a sample of nucleic acids from said patient sample;

separating charged cellular contaminants from said nucleic acids with a mixed bed ion exchange resin;

amplifying by the polymerase chain reaction a bacterial nucleic acid sequence suspected of being associated with thereby producing amplified nucleic acids; and

detecting the presence or absence of said amplified nucleic acids wherein the presence of amplified nucleic acids indicates a bacterial infection.

2. The method of claim 1 wherein said patient sample is selected from the group consisting of synovial fluid, cartilage, bone, tendon, ligament, intervertebral disc, synovial membrane, saliva, cerebrospinal fluid, sputum, mucus, bone marrow, serum, blood, urine, lymph, tears, semen, and feces.

3. The method of claim 1 wherein said bacterial infection is selected from the group consisting of Streptococcus, Staphylococcus, and Bacteroides.

4. The method claim 1 wherein amplifying bacterial nucleic acids comprises using at least one primer selected from the group consisting of SEQ ID NO: 1

and SEQ ID NO: 2.

5. The method of claim 1 wherein amplifying bacterial nucleic acids may be performed by an amplification method selected from the group consisting of polymerase chain reaction, ligase chain reaction, repair chain reaction, cyclic probe reaction, nucleic acid sequence based amplification, strand displacement amplification, and Q.beta. replicase.

6. The method of claim 1 wherein amplifying bacterial nucleic acids is performed by the polymerase chain reaction.

7. A method of detecting a bacterial infection in a patient comprising:

obtaining a patient sample;

obtaining a sample of nucleic acids from said patient sample;

separating charged cellular contaminants from said nucleic acids with a mixed bed ion exchange resin;

amplifying by the polymerase chain reaction bacterial nucleic acids present in a patient sample thereby producing amplified nucleic acids wherein said polymerase chain reaction comprises at least one primer selected from the group consisting of SEQ ID NO: 1 and SEQ ID NO: 2; and

detecting the presence or absence of said amplified nucleic acids wherein the presence of amplified nucleic acids indicates a bacterial infection.

8. A method of detecting a bacterial infection in a patient comprising:

obtaining a patient sample;

obtaining a sample of nucleic acids from said patient sample;

separating charged cellular contaminants from said nucleic acids with a mixed bed ion exchange resin;

amplifying by the polymerase chain reaction bacterial nucleic acids present in a patient sample thereby producing amplified nucleic acids wherein said polymerase chain reaction comprises the use of two primers, a first primer comprising the sequence of SEQ ID NO: 1 and a second primer comprising the sequence of SEQ ID NO: 2.

9. A diagnostic kit for the detection of a bacterial infection in synovial fluid comprising a mixed bed ion exchange resin, at least one primer selected from the group consisting of SEQ ID NO: 1 and SEQ ID 2, and extraction buffer; said kit useful for detecting a bacterial infection.

10. A method of detecting a bacterial infection in a patient comprising:

obtaining a synovial fluid sample from a patient suspected of having a bacterial infection;

obtaining a sample of nucleic acids from said patient sample;

separating charged cellular contaminants from said nucleic acids with a mixed bed ion exchange resin;

amplifying bacterial nucleic acids suspected of being associated with said bacterial infection present in said patient sample thereby producing amplified nucleic acids; and

detecting the presence or absence of said amplified nucleic acids wherein the presence of amplified nucleic acids indicates a bacterial infection.

11. A method of detecting a bacterial infection in a patient comprising:

obtaining a patient sample;

obtaining a sample of nucleic acids from said patient sample;

separating charged cellular contaminants from said nucleic acids with a mixed bed ion exchange resin;

amplifying bacterial nucleic acids specific for 16S rRNA, ial gene sequences, or Enterotoxin A sequences present in a patient sample thereby producing amplified nucleic acids; and

detecting the presence or absence of said amplified nucleic acids wherein the presence of amplified nucleic acids indicates a bacterial infection.

12. A method of detecting a bacterial infection in a patient comprising:

obtaining a synovial fluid sample from a patient suspected of having a bacterial infection;

obtaining a sample of nucleic acids from said patient sample;

separating charged cellular contaminants from said nucleic acids with a mixed bed ion exchange resin;

amplifying a bacterial nucleic acid sequence within a sequence selected from the group consisting of 16S rRNA, ial or Enterotoxin A present in said sample thereby producing amplified nucleic acids; and

detecting the presence or absence of said amplified nucleic acids wherein the presence of amplified nucleic acids indicates a bacterial infection.

13. A method of detecting a bacterial infection in a patient comprising:

obtaining a synovial fluid sample from a patient suspected of having a bacterial infection;

obtaining a sample of nucleic acids from said patient sample;

separating charged cellular contaminants from said nucleic acids with a mixed bed ion exchange resin;

amplifying a bacterial nucleic acid sequence within a sequence suspected of

being associated with said bacterial infection present in said sample thereby producing amplified nucleic acids; and

detecting the presence or absence of said amplified nucleic acids wherein the presence of amplified nucleic acids indicates a bacterial infection.

14. A diagnostic kit for the detection of a bacterial infection in synovial fluid comprising a mixed bed ion exchange resin, at least one primer complementary to a bacterial sequence suspected of infecting synovial fluid, and extraction buffer; said kit useful for detecting a bacterial infection.

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